

NGF

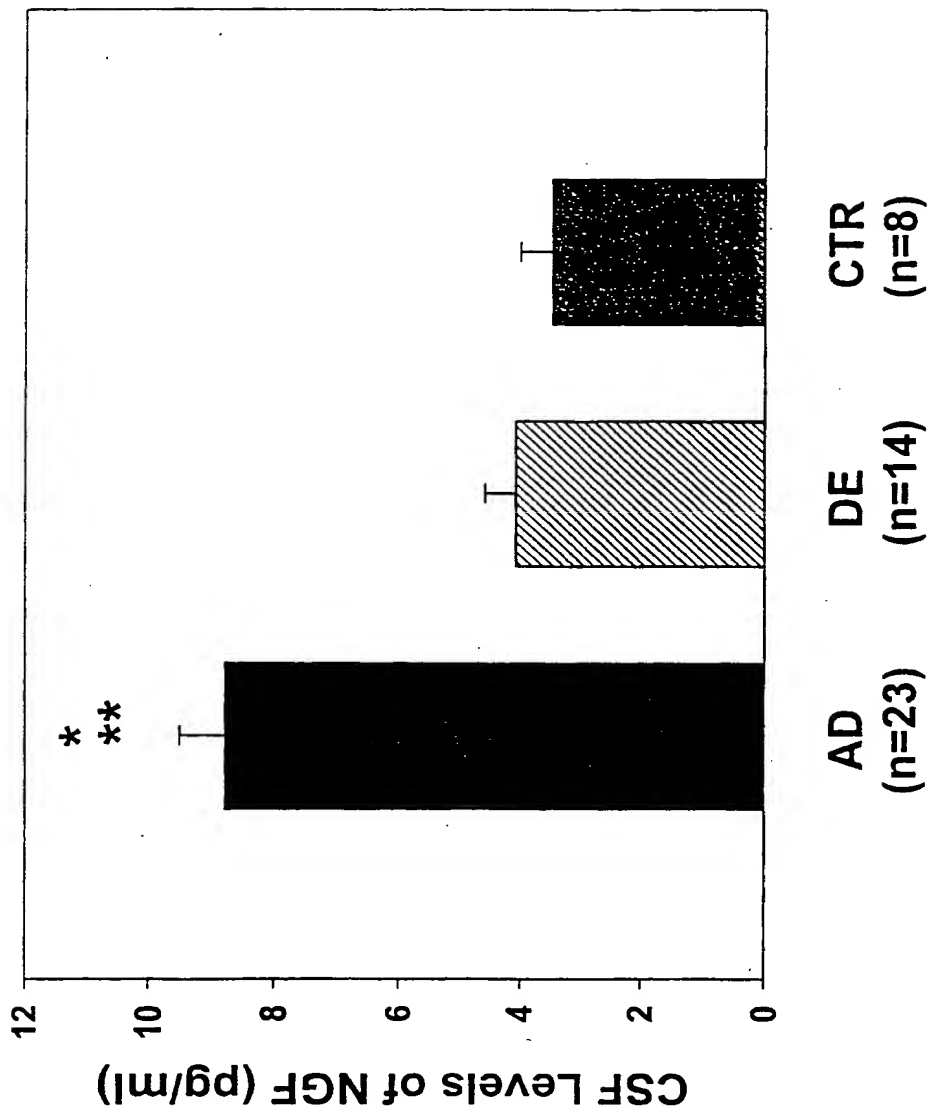


Fig. 1

NGF

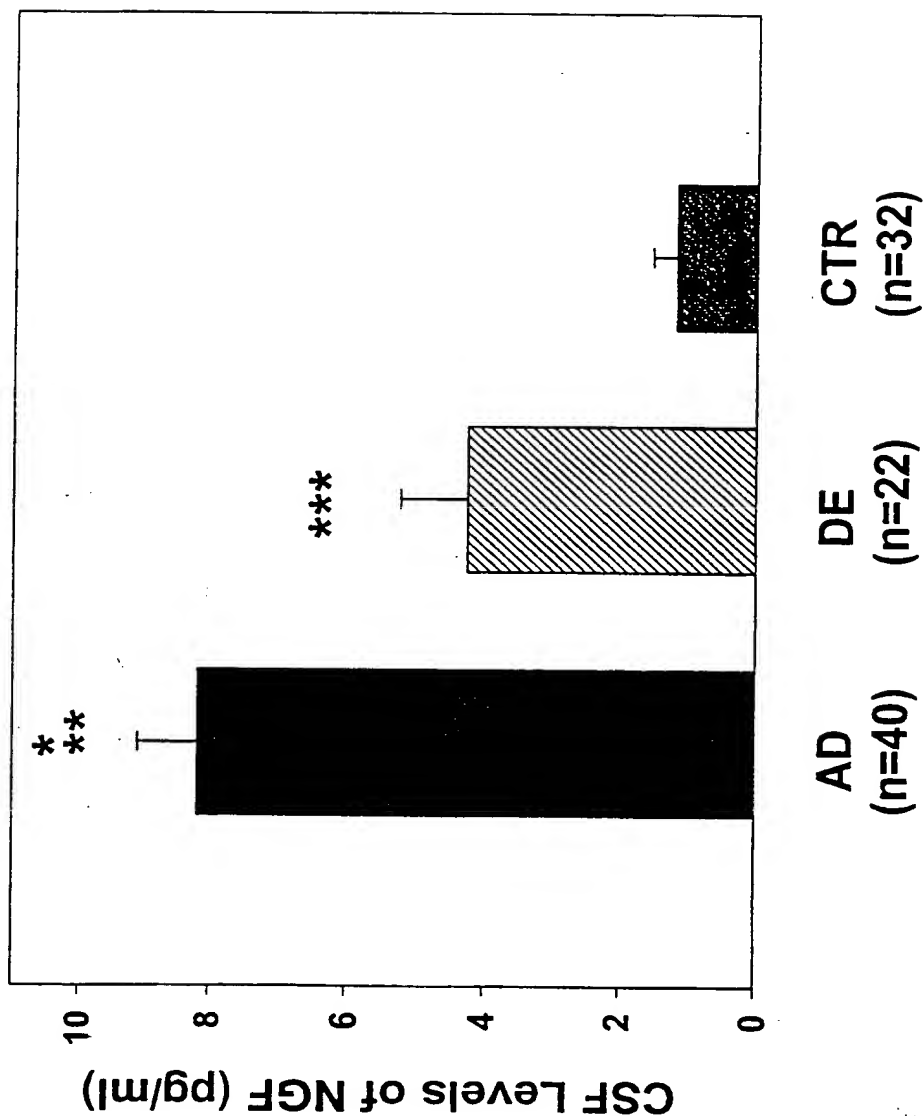


Fig. 2

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NT-3

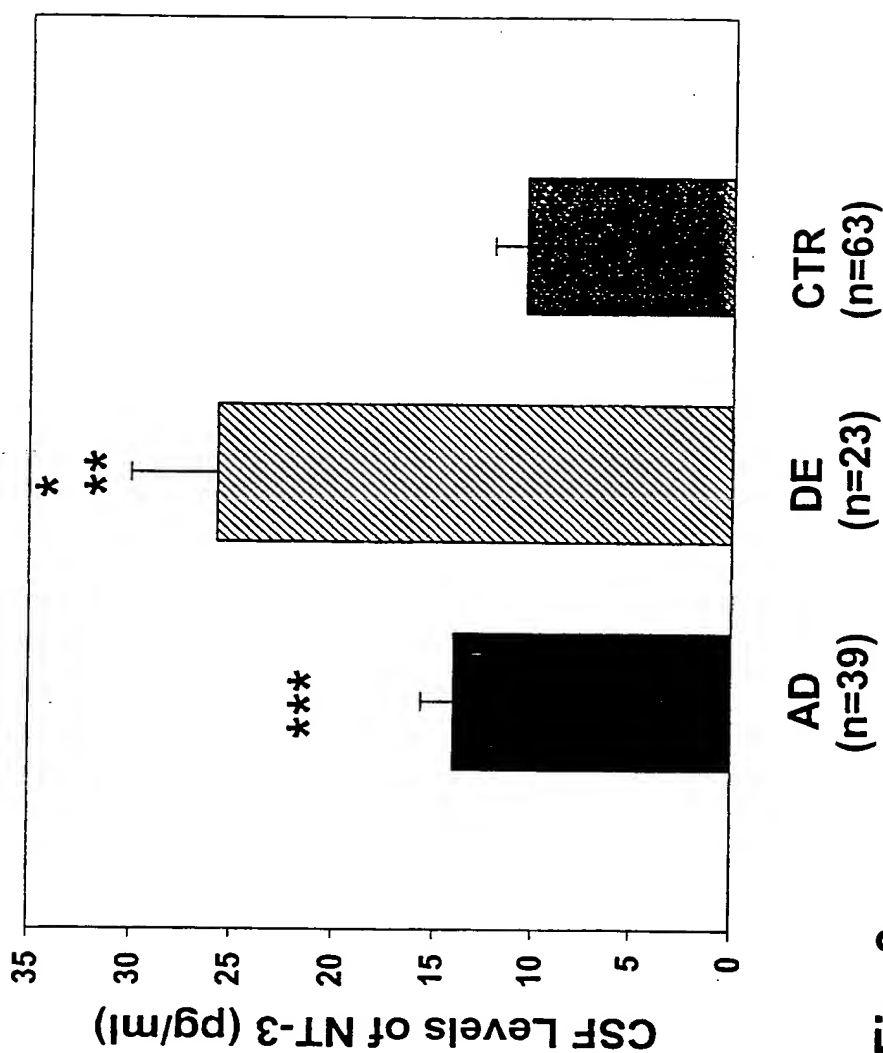


Fig. 3

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**Spinal Fluid Measurements of NGF and NT-3: Diagnostic Accuracy
in Alzheimer's Disease (AD) and Major Depression in the Elderly (DE)**

	NGF test (NGF>4 pg/ml)	NT-3 test (NT-3>15 pg/ml)
	Diagnosis of AD	Diagnosis of DE
Sensitivity	71,9%	73,9%
Specificity	79,2%	86,1%
Positive Predictive Value (PPV)	67,6%	50,0%
Negative Predictive Value (NPV)	82,4%	91,7%
	Combined NGF/NT-3 test (NGF>4 pg/ml, NT-3<15 pg/ml)	Combined NGF/NT-3 test (NT-3>15 pg/ml, NGF<4 pg/ml)
	Diagnosis of AD	Diagnosis of DE
Sensitivity	62.5%	55.5%
Specificity	90.1%	89.7%
Positive Predictive Value (PPV)	83.3%	71.4%
Negative Predictive Value (NPV)	76.9%	81.4%

Table 1

Clinical Characteristics

		AD	DE	CTR
NGF measurements	n	40 (18 m, 22 f)	21 (8 m, 13 f)	32 (18 m, 14 f)
	Age (mean \pm SD) yrs	68.8 \pm 12.4	69.3 \pm 12.6	64.0 \pm 14.9
	Range (yrs)	39-88	47-86	29-96
	MMS score (mean \pm SD)	19.3 \pm 4.6	27.6 \pm 2.1	n.d.
	MADRS score	n.d.	18.6 \pm 9.7	n.d.
	ApoE (%)	2/3 (14), 3/3 (36) 3/4 (43), 4/4 (7)	2/3 (23), 3/3 (34) 3/4 (31), 4/4 (12) n.d.	n.d.
NT-3 measurements	n	39 (20 m, 19 f)		63 (35 m, 28 f)
	Age (mean \pm SD) yrs	67.2 \pm 11.5		56.0 \pm 15.0
	Range (yrs)	39-86		28-84
	MMS score (mean \pm SD)	19.1 \pm 5.3		n.d.
	MADRS score	n.d.		n.d.
	ApoE (%)	2/3 (14), 3/3 (34) 3/4 (45), 4/4 (7)		n.d.

Table 2